


RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county <b>Cat Canyon</b>	District: <b>3 - SANTA MARIA</b>
Former owner <b>Chevron U.S.A. Inc.</b>	Opcode: <b>C5640</b> Date: <b>July 19, 2010</b>
Name and location of well(s)	
<u>Sec. 4, T. 8N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451) <u>Sec. 5, T. 8N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list) <u>Sec. 6, T. 8N, R. 32W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 7, T. 8N, R. 32W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 18, T. 8N, R. 32W S.B. B&amp;M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412) <u>Sec. 18, T. 9N, R. 32W S.B. B&amp;M</u> "Williams Holding Co." C.H. 1 & C.H.3 <u>Sec. 30, T. 9N, R. 32W S.B. B&amp;M</u> "Fugler" (See attached list) <u>Sec. 31, T. 9N, R. 32W S.B. B&amp;M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)	<u>Sec. 32, T. 9N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-1)" 1 & 3 <u>Sec. 1, T. 8N, R. 33W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 12, T. 9N, R. 33W S.B. B&amp;M</u> "G.W.P." (See attached list) <u>Sec. 13, T. 9N, R. 33W S.B. B&amp;M</u> "G.W.P." (See attached list) "Standard" 1 (083-01397) <u>Sec. 23, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123) <u>Sec. 24, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843) <u>Sec. 25, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." 367-24 (083-22114)
SEE PAGE 2	


Description of the land upon which the well(s) is (are) located <b>Cat Canyon Field, Santa Barbara County, CA</b>			
Date of transfer, sale, assignment, conveyance, or exchange <b>4-29-2010</b>	New Owner <b>ERG Operating Company, LLC.</b>	Operator code <b>E0255</b>	Type of Organization <b>Corporation</b>
	Address <b>600 Travis, Suite 7050 Houston, TX 77002</b>		Telephone No. <b>(713) 812-1800</b>
Reported by <b>ERG Operating Company, LLC</b>			
Confirmed by <b>Chevron U.S.A. Inc.</b>			
New operator new status <b>PA</b>	Request Designation of Agent		
Old operator new status <b>PA</b>	Remarks <b>Acquiring company has a blanket bond.</b>		
Deputy Supervisor <b>Patricia A. Abel</b>		Signature 	

**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	CB	7/21/10	Map and Book	PA	
NPI - No Potential Inactive	Well records	CB	7/21/10	Lease Files	CB	7/21/10
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	7/21/10
cc: ERG Operating Co. LLC	Annual Report	CB	7/21/10			
Chevron U.S.A. Inc.						

Santa Barbara County  
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county      Cat Canyon		District: 3 - SANTA MARIA	
Former owner      Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p>Sec. 1, T. 8N, R. 33W S.B. B&amp;M "Climax" 1 (083-00380) Sec. 25, T. 9N, R. 33W S.B. B&amp;M "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 &amp; 3 (See attached list) Sec. 36, T. 9N, R. 33W S.B. B&amp;M "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC.			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

## OPERATOR STATUS ABBREVIATIONS

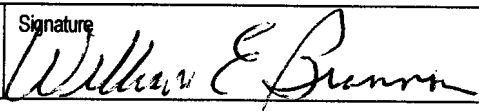
## FORM AND RECORD CHECK LIST

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	CB		Map and Book		
NPI - No Potential Inactive	Well records	CB		Lease Files	CB	
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	
cc: ERG Operating Co. LLC	Annual Report	CB				
Chevron U.S.A. Inc.						

Santa Barbara County  
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county      See below		District: 3 - SANTA MARIA	
Former owner      ChevronTexaco Exploration & Production Company		Opcode:	Date      September 23, 2005
Name and location of well(s)			
All Wells			
Description of the land upon which the well(s) is (are) located			
All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.	Operator code C5640	Type of Organization Corp.
	Address PO Box 1392 Bakersfield, CA 93302		Telephone No. (661) 654-7065
Reported by    ChevronTexaco Exploration & Production Company			
Confirmed by    Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks <b>THIS IS A NAME CHANGE ONLY</b> Includes abandoned wells		
Deputy Supervisor William E. Brannon		Signature 	

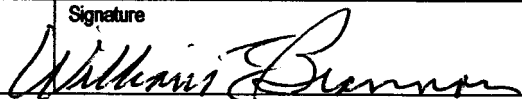
**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	<i>W</i>	9/23/05	Map and Book	<i>W</i>	9/23/05
NPI - No Potential Inactive	Well records	<i>W</i>	9/23/05	Lease Files		
Ab - Abandoned or No More Wells	New well cards			Well Stat	<i>W</i>	9/23/05
WEB:hc	Bond Status	<i>W</i>	9/23/05	District Computer Files		
cc:      ChevronTexaco E&P Co.						
Chevron U.S.A. Inc.						

Santa Barbara County  
Cons. Committee  
Harold Bertholf

Transfer File  
HQ

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county   Cat Canyon		District 3 - SANTA MARIA	
Former owner   Texaco Exploration & Production Inc.		Opcode: T1600	Date   November 22, 2002
Name and location of well(s)			
<u>Sec. 5, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 7, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 2, T. 9N, R. 33W, SB B&amp;M</u> *All Wells	
<u>Sec. 6, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 30, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 3, T. 9, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 7, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 31, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 10, T. 9N, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 16, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 32 T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 11, T. 9N, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 12, T. 8N, R. 33W, SB B&amp;M</u> All Wells	<u>Sec. 1, T. 8N, R. 33W, SB B&amp;M</u> All Wells	<u>Sec. 12, T. 9N, 33W, SB B&amp;M</u> All Wells	
<u>Sec. 6, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 1, T. 9N, R. 33W, SB B&amp;M</u> *All Wells	<u>Sec. 13 T. 9N, R. 33W, SB B&amp;M</u> All Wells	
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange 08-22-02	New Owner ChevronTexaco Exploration & Production Company	Operator code C5680	Type of Organization Corp.
	Address 5001 California Ave. Bakersfield, CA 93309		Telephone No. (661) 395-6445
Reported by   Texaco Exploration & Production Inc.			
Confirmed by   ChevronTexaco Exploration & Production Co.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks		
Deputy Supervisor William E. Brannon		Signature 	

**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	HC	11-02	Map and Book	PAH	11-02
NPI - No Potential Inactive	Well records	DM	11-02	Lease Files		
Ab - Abandoned or No More Wells	New well cards	DM	11-02	Well Stat	HC	
WEB:hc	Bond Status			District Computer Files		
cc: Cons. Committee						
Harold Bertholf						

Texaco E & P Inc.  
ChevronTexaco E & P Co.  
OGD156 (Modified 1/00)

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RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS  
(805) 937-7246

REPORT OF WELL ABANDONMENT

G. Oviatt, Agent  
Texaco Producing Inc.  
P. O. Box 811  
Ventura, CA 93002

Santa Maria, California  
April 2, 1990

Your report of abandonment of well "Los Alamos" 26,  
A.P.I. No. 083-00398, Section 1, T. 8N, R. 33W, S.B. B.&M.,  
Cat Canyon field, Santa Barbara County,  
dated August 30, 1989, received September 19, 1989, has been  
examined in conjunction with records filed in this office, and we have  
determined that all of the requirements of this Division have been  
fulfilled.

Date of environmental inspection: March 26, 1990.

RAB:ks

cc: Conservation Committee  
Update

M.G. MEFFERD, State Oil and Gas Supervisor

By Hol Borge  
Deputy Supervisor

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DIVISION OF OIL AND GAS  
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

COMPANY TEXACO PRODUCING INC. WELL NO. "LOS ALAMOS" 26  
API NO. 083-00398 Sec. 1, T. 8N, R. 33W, SB B.&M.  
COUNTY SANTA BARBARA FIELD CAT CANYON

RECORDS RECEIVED

DATE

STATUS

Well Summary (Form OG100) 9-19-89  
History (Form OG103) "  
Directional Survey \_\_\_\_\_  
Core Record and/or SWS \_\_\_\_\_  
Other: \_\_\_\_\_  
Electric logs: \_\_\_\_\_

\* 6/9/89  
(Date)

Engineer's Check List

☒ Summary, History, & Core Record  
☐ Directional Survey  
☐ Logs  
☒ Operator's Name  
☒ Signature  
☒ Well Designation  
☒ Location

☒ Notices  
☒ "T" Reports  
☒ Casing Record  
☒ Plugs  
☒ Env. Insp. Date 3/26/90 TK  
☐ Production/Injection  
☐ E Well on Prod., enter EDP  
☒ Computer

Clerical Check List

Form OGD121 4-2-90  
☐ Location change (OGD165)  
☐ Elevation change (OGD165)  
☒ Final Letter (OG159) 4-2-90  
☐ Release of Bond (OGD150)  
☐ Abd \_\_\_\_\_ in EDP  
☐ Notice of Records Due(OGD170)  
☐ Request: \_\_\_\_\_

☒ Map Work: \_\_\_\_\_  
Follow Up: \_\_\_\_\_

☒ Hold for: Final stc insp

Records Approved 7/19/89 RB

# ANGE OF WELL STATUS REPORT

SECTION 1	TOWNSHIP 8N	RANGE 33W	S & M SB	LOCATION Approx. 1300'S & 2250'W from NE corner of Section 1
DISTRICT Ventura		AREA Santa Maria		LEASE & WELL Los Alamos 26
COUNTY AND STATE Santa Barbara California			OPERATOR Texaco Producing Inc.	FIELD Cat Canyon
TYPE OF WELL <input checked="" type="checkbox"/> Inj. <input type="checkbox"/> OIL <input type="checkbox"/> GAS		TYPE OF COMPLETION <input checked="" type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE		OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> OIL <input type="checkbox"/> GAS
DATE OF CHANGE 6-9-89		REASON FOR STATUS CHANGE		

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED)  <input type="checkbox"/> GAS COMPLETION  <input type="checkbox"/> RE-COMPLETION  <input type="checkbox"/> INITIAL PRODUCTION	<input type="checkbox"/> RESUMPTION OF PRODUCTION  <input type="checkbox"/> CESSATION OF PRODUCTION  <input type="checkbox"/> IDLE  <input checked="" type="checkbox"/> PLUGGED & ABANDONED	<input type="checkbox"/> PUMP  <input type="checkbox"/> GAS LIFT  <input type="checkbox"/> FLOW  <input type="checkbox"/> INJECTION  WATER _____ GAS _____
---	---	--

WELL DATA				PRODUCTION TEST DATA								
Injecting PRODUCING ZONE	PERFS. (sl,gp,ip)	PRODUCTION INTERVAL		BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
		FROM	TO									
Miocene	sl	5001'	5365'									

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

DIVISION OF OIL AND GAS  
RECEIVED  
SEP 19 1989  
SANTA MARIA, CA

REASON FOR PLUG & ABANDONMENT MECHANICAL / OVERPRESSURED

TOTAL DEPTH: 5800' PLUGGED DEPTH: 5365' GROUND ELEVATION: 990.50' POINT OF DEPTH MEASUREMENT KB 10' FT. ABOVE GROUND

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTS	CASING PACKER DEPTHS (IF ANY)
11-3/4"	331'	Surface	47#	ABANDONED New	CASING J-55	15 1/2"	300 sks		
7"	5800'	Surface	23#	New	J-55	10-5/8"	300 sks		

Map No.		Map Letter		Bond No.		Form No.	
				118		114	
						289	

JUNK:

REMARKS:

SUBMITTED BY

TITLE

G. Oviatt, Agent

DATE

August 30, 1989

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DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROPERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RECOMPLETIONS ONLY).

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**History of Oil or Gas Well**

Operator Texaco Producing Inc. Field Cat Canyon County Santa Barbara  
Well Los Alamos 26, Sec. 1, T. 8N, R. 33W, SB. B. & M.  
A.P.I. No. 083-00398 Name G. Oviatt Title Area Manager  
Date August 30, 19 89 (Person submitting report) (President, Secretary or Agent)

Signature 

P.O. Box 811 Ventura California 93002

(Address)

(805) 642-6790

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

1989

6-5 Workover hoist moved in and rigged up. Ready to release packer. Closed well in till a.m.

6-6 Removed wellhead and installed BOPE. Attempted to work packer free, no good. Rigged up cementers and pumped away hot water 1 bbl. per minute at 1500 psi. Pumped 155 cuft. Class "G" cement with 1% A-2 and displaced with fresh water. Final shut-in pressure 2100 psi. Cement in place at 3:15 p.m. Closed well in till a.m.

6-7 Ran in hole with feeler and tagged at 4310'. Pulled out of hole with feeler and rigged up Dia-Log. Ran in hole with 2-1/8" jet cutter and made cut at 4315'. Pulled out of hole. Pulled out of hole with tubing, dragging and swabbing fluid first 6-1/2 stands. Stood back 138 jts. and laid down cut-off. Left 10' cut-off, 6 jts. 2-7/8" tubing, 2' pup and Husky M-1 packer in hole. Made feeler run with 4" drift for Dia-Log to 4298'. Made cavity shot from 4287' to 4297'. Ran in hole with tubing to 4290' and rigged up cementers. Pumped 80 cuft. Class "G" cement with 1% A-2 and displaced with fresh water. Pulled to 3700', shut in well and squeezed away 15 cuft. at 1000 psi. Pulled to 3200' and closed well in till a.m.

6-8 Ran in hole and tagged cement at 3983' - cavity shot took 12-1/2 cuft. Changed hole over to 70# mud. Laid down tubing to 2538' and pumped 45 cuft. Class "G" cement with 1% A-2. Pulled tubing to 2000' and reversed clean. Stood back 1000' jts. tubing and laid down remainder. Made feeler run with 4" drift and rigged up Dia-Log. Made cavity shot from 990' to 1000'. Tore out shooters and ran in hole with tubing to 998'. Pumped 70 cuft. Class "G" cement with 1% A-2. Pulled out of hole. Closed blind rams and squeezed with 35 cuft. mud. Closed well in till a.m.

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Division of Oil & Gas

Los Alamos 26

Page 2

- 6-9      Ran in hole and tagged cement at 929'. Pulled to 921' and cemented with 15 cuft Class "G" cement with 1% A-2. Calculated top of cement at 853'. Pulled out of hole and laid down tubing. Removed workfloor and BOPE. Ran in hole to 50' and pumped a 24 cuft. Class "G" cement plug to surface. Tore out cementers. Rigged down and moved out. Plugging operations were witnessed and approved by a Division of Oil & Gas representative.
- 8-30      Casing was cut off 5 ft. below ground level and a steel plate welded on top of casing. County Petroleum Dept. representative witnessed this operation. Cellar was backfilled and the location cleaned up.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS  
(805) 925-2686

No. T 389-146

REPORT ON OPERATIONS

G. Oviatt, Agent  
Texaco Producing Inc.  
P. O. Box 811  
Ventura, CA 93002

Santa Maria, California  
June 9, 1989

Your operations at well "Los Alamos" 26 API No. 083-00398,  
Sec. 1, T. 8N, R. 33W, SB B.&M. Cat Canyon Field, in Santa Barbara  
County were witnessed on 6-9-89. T. Kustic, representative  
of the supervisor, was present from 0730 to 0835. There were also  
present Steve Craig - Rig Supervisor.

Present condition of well: 11-3/4" cem. 331'; 7" ld. 5800', c.p. 2633'  
and 5001', perfs. 5001'-5800', cavity shots 990' and 4287'. T.D.  
5800'. Plugged w/cem. 5800'-5265'. Plugged w/152 cf. of cem. below  
4506', plugged w/cem. 4290'-3983', 2538'-2334'±, 998'-853'±, and 50'-5'.  
Junk: 2-7/8" tubing 4310'-4506' and packer at 4506'.

The operations were performed for the purpose of plugging the well in the  
process of abandonment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE  
APPROVED.

D. Medley - cmt. to sfc

D Medley - cmt to sfc

S.B. Pet. Dept.

Sfc Supp WC 9/19/89  
10/19/89 JK  
TRK:ks ✓ ✓ OK 3/26/90 TK

M.G. MEFFERD, State Oil and Gas Supervisor

By Hal Bopp  
Deputy Supervisor

DIVISION OF OIL AND GAS  
Cementing/Plugging Memo

T389-14600

Operator Texaco Prod. Inc. Well No. "Los Alamitos" 26  
API No. 083-00398 Sec. 1, T. 8N, R. 33W, S. B. B&M  
Field Cote Canyon, County Santa Barbara. On 6/9/89  
Mr. Tim Kuster, representative of the supervisor was present from 0700 to 0835.  
There were also present Steve Craig, Rig Supervisor

Casing record of well: 11 3/4" cm. 331'; 7" id 5800', C.P. 2633' and  
5001', perf. 5001'-5800', cavity shots 990' and 4287'. T.D. 5800'. Plugged  
w/cem 5800'-5365' Plugged w/152 cf of cem. below 4506', plugged w/cem 4290'-3983'.

The operations were performed for the purpose of 1-abandonment  
258'-2334'±, 998'-853'± and 50'-5'. Junk: 2 7/8" tbg 4310'-4506'  
and packer at 4506'.

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ \_\_\_\_\_' is approved.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_', \_\_\_\_\_" to \_\_\_\_\_' & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_';  
\_\_\_\_\_ " shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_'.

Junk (in hole): 2 7/8" tbg 4310'-4506' Packer 4506'.

Hole fluid (bailed to) at \_\_\_\_\_. Witnessed by \_\_\_\_\_

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
78	6/8	160 ±	3980		sf	TK

Cement Plugs			Placing		Top Witnessed	
Date	Sz./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample
6/9	26 cf	50'				
6/5	152 *	6 1/2' below Packer at 4506'			4310	w/wireline
6/7	80	tbg 4290			3983	4,000 lbs
6/8	45	tbg 2538	1330	TK	2334 ±	
6/8	70 +	tbg 998			929	total tbg
6/9	15	tbg 921	0830	TK	853	

Cavity Shot 4287-4297 \* seg 35 cf at 1000 20 cf came back  
990-1000 + 35 cf at 0

Map 310 (2)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No. P 388-272  
Field Code \_\_\_\_\_  
Area Code \_\_\_\_\_  
New Pool Code \_\_\_\_\_  
Old Pool Code \_\_\_\_\_

PERMIT TO CONDUCT WELL OPERATIONS

WATER DISPOSAL PROJECT  
CAT CANYON FIELD - WEST AREA  
MONTEREY FM.

James M. Newton, Agent  
Texaco Producing Inc.  
3201 Skyway Dr., #201  
Santa Maria, CA 93455

Santa Maria, California  
September 21, 1988

Your \_\_\_\_\_ proposal to abandon well "Los Alamos" 26  
A.P.I. No. 083-00398, Section 1, T. 8N, R. 33W, SB B.&M.,  
Cat Canyon field, \_\_\_\_\_ area, \_\_\_\_\_ pool,  
Santa Barbara County, dated 9-14-88, received 9-16-88, has been  
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to Class II 1M requirements is installed and maintained in operating condition at all times.
2. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 70 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
3. The well is plugged with cement from 2530' to 2420'.
4. A cavity shot is made at 1000' and squeezed with at least 35 cubic feet of cement, in addition to leaving at least 100 linear feet of cement inside casing above the cavity shot.
5. The annulus between the 11-3/4" and 7" casings is plugged with at least 25 linear feet of cement at the surface.

6. THIS DIVISION IS NOTIFIED:

- a. To witness the mudding of the well.
- b. To witness the location and hardness of the cement plugs at 4901' or higher and 900' or higher.
- c. To witness the placing of the cement plug from 2530' to 2420'.
- d. To witness the placing of the surface plug and the plug in the 11-3/4" x 7" casing annulus, or to verify their locations.
- e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

BLANKET BOND  
RAB:ks

Engineer Al Koller

M.G. MEFFERD, State Oil and Gas Supervisor

Phone (805) 925-2686

By Hal Beyer  
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

06111

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STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**Notice of Intention to Abandon Well**

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD111	OGD121
✓	Blanket	9-16-88	9-16-88

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well "Los Alamos" 26, API No. 083-00398, Sec. 1, T. 8N, R. 33W, SB B. & M., Cat Canyon Field, Santa Barbara County, commencing work on 19.88.

The present condition of the well is:

1. Total depth 5800' Plug depth: 5365'
2. Complete casing record, including plugs and perforations (present hole)

On attached program

3. Last produced \_\_\_\_\_  
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)
- or
4. Last injected 3/84 124 -- 900  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows

6. Stratigraphic markers

S<sub>2</sub> 2530

M. 4375

7. Formation and age at total depth

8. Base of fresh water sands 900' *close enough*

9. Is this a critical well according to the definition on the reverse side of this form? ☐ Yes ☒ No

The proposed work is as follows:

Program is attached.

DIVISION OF OIL AND GAS  
RECEIVED  
SEP 16 1988  
SANTA MARIA, CA

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 2080  
(Street)  
Santa Maria Ca 93455  
(City) (State) (Zip)  
Telephone Number (805) 928-4338  
(Area Code) (Number)

Texaco Producing Inc.  
(Name of Operator)  
By James M. Newton  
(Print Name)  
James M. Newton 9/14/88  
(Signature) (Date)

OG108 (3/84/DWRR/5M)

(Preliminary - Not for Field Use)  
HOIST WELL PROGRAM  
LOS ALAMOS 26  
CAT CANYON FIELD  
(DOG to Witness Mud and Cement Operations)

Casing Detail

Depth: 5800'      Plugged depth: 5365'      Effective Depth: 5365'

Casing: 11-3/4" 47# C. 331'  
7" 23# Eff. to Pg. @ 5365'  
C.P. 2633' AND 5001'  
Pf: 5001-5365' (180m, 2"S, 16R, 6"C milled)  
Ineffective casing below plug  
435' 7" 23# C. 5800'  
Pf: 5365'-5800' (180M, 2"S, 16R, 6"C milled)

Tubing: 4489' 2-7/8" Tbg (145 jts)  
2' Pup  
5' Husky M-1 Packer  
10 KB  
4506' Landed @

Rods: None

Pump None

Status: Idle Injector

Program: Abandon

1. Move in and rig up. Kill well if necessary. Install BOPE.
2. Unset and retrieve Husky M-1 Packer. Have Baker Packers service hand on location while working with packer. If packer cannot be retrieved go to step 5.
3. Run tubing open ended to 5100'. Equalize 65 cf class "G" cement with 1% A-2. Pull to 4000'. Reverse circulate clean.

Note: A-2 is BJ-Titan product. Similar competitive product will be used if BJ-Titan does not do work.

4. Wait 4 hours. Tag plug. Plug must be above 4901'. Recement as necessary. Proceed to step 10.
5. If packer has been released but could not be pulled, reset packer as close as possible to 4900'.

6. Run 2½" OD sinker bar on sand line to 100' above packer.
  7. Mix and pump 65 cf Class "G" with 1% A-2, plus any casing volume between packer and 4900', if packer is set above 4900'. Displace cement to top of packer. Use 2½" wiper plug behind cement if sinker bar went within 300' of packer.
  8. Jet cut tubing as low as possible. Pull tubing to 4000'. If tubing hangs up or pulls tight round trip before cementing.
  9. Equalize 30 cf class "G" cement with 1% A-2 on top of fish. Pull up 130'.
  10. Circulate hole full of 9.4 ppg mud. Mud weight may be higher if well was killed with heavier mud
  11. With tubing tail at 1000', equalize 55 cf class "G" cement with 1% A-2. 5 bbl Freshwater ahead and behind cement. Displace with 9.4 ppg mud.
  12. Lay 15 cf cement plug from 50' to surface.
  13. Cut casing 5½' below ground level. Weld steel plate on top of casing. Lay weld bead on top of plate identifying well number.
- Note: Notify County Petroleum Department to witness before backfilling.
14. Backfill cellar and clean up location. Remove all equipment.

Charges to Operations: \$25,000

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LOS ALAMOS 26

needs annulus plug

BFW  
above  
331'

11 3/4" 47#  
C. 331'

plug 50' - sfc

1270± Si —  
TOC 3978'±  
cp 2633

plug 1000' - 750'± needs cavity slot

need plug 2530 - 2430

2 1/8" TBG.

Sisquoc  
4370  
Monterey

TOC 4808'±

HUSKY M-1 PACKER  
SET @ 4506'

cp 5000

plug 5100 - 4901'

PERFS:

180 M, 2" S, 16 R, 6" C  
F/5001' T/5800'

7" 23#  
C. 5800'

TOP OF CEMENT PLUG 5365'.

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## DEPARTMENT OF CONSERVATION

## DIVISION OF OIL AND GAS

301 WEST CHURCH STREET  
SANTA MARIA, CALIFORNIA 93454  
(805) 925-2686



February 1, 1989

G. Oviatt, Agent  
Texaco Producing Inc.  
P. O. Box 811  
Ventura, CA 93002

Water Disposal Project  
Cat Canyon Field  
West Area  
Monterey Fm.  
"Los Alamos" 20, 26, 27  
& 162

Dear Mr. Oviatt:

A requirement of the Division of Oil and Gas for the wells listed above is to conduct biennial injection profile surveys to confirm that injected fluid is confined to the approved zone. These wells have not been surveyed for more than two years and have been idle for at least 2 years.

Because the casing and/or tubing can deteriorate while wells remain idle, approval to utilize these wells for injection is terminated as of this date. Injection lines to well "Los Alamos" 26 must be disconnected and the well properly shut in by March 3, 1989. The other wells have been disconnected previously.

To reactivate the well, it will be necessary to submit a Notice of Intention to Rework Well (form OG107) for each well. Our response will specify requirements to be fulfilled before injection can resume.

Yours truly,

Disconnected 3/3/89 RB

*Disconnected 3/3/89 RB*

*Hal Bopp*  
Hal Bopp  
Deputy Supervisor

AJK:mjn

cc: Project File  
Well Files

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DIVISION OF OIL AND GAS

Report on Operations

(805) 925-2686

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria

Calif

February 9, 1984

Your operations at well "Los Alamos" 26, API No. 083-00398,  
Sec. 1, T. 8N, R. 33W, SB B. & M. Cat Canyon Field, in Santa Barbara County,  
were witnessed on 2-7-84 P. Trucchio, representative of  
the supervisor, was present from 1230 to 1500 There were also present P. Shields -  
Engineering Technician  
Present condition of well: 11 3/4" cem. 331'; 7" ld. 5800', c.p. 2633' and 5001', perfs.  
5001' - 5365'. T.D. 5800'. E.D. 5365'.

The operations were performed for the purpose of demonstrating that all of the injection fluid  
is confined to formations below 5001'.

DECISION THE OPERATIONS ARE APPROVED AS INDICATING THAT ALL OF THE INJECTION FLUID  
IS CONFINED TO FORMATIONS BELOW 5001' AT THIS TIME.

PAT:dv

OG 109 (12-80) (150)

M. G. MEFFERD

State Oil and Gas Supervisor

By K. P. Henderson  
Deputy Supervisor

K. P. Henderson

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DIVISION OF OIL AND GAS  
RA-S Survey WATER SHUTOFF TEST

No. T

384-36

Operator Getty Oil Corp

Well designation "Los Alamos" 26 Sec. 1, T. 8N, R. 33W, S. B.B. & M.

Field Cat Canyon, County Santa Barbara was tested for water shutoff on Feb. 7, 1984. (Name) A. Koller, representative of the supervisor, was present from 1230 to 1500. Also present were P. Shields, Eng. tech. Id. 5800'

Casing record of well: 11 3/4' cem 331'; 7' cem 5365', c.p. 2633' and 5001', perfs 5001-5365' T.D. 5800' e.d. 5365'

The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to formations below 5001'.

- ☐ The \_\_\_\_\_" shutoff at \_\_\_\_\_' is approved.
- ☐ The seal between the \_\_\_\_\_" and \_\_\_\_\_" casings is approved.
- ☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 5001' at this time.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_'; \_\_\_\_\_" to \_\_\_\_\_'; & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested packer @ 4506' and top most perf. @ 5001'  
The hole was open to 5365' for test.

FORMATION TEST:

Packer(s) \_\_\_\_\_' & \_\_\_\_\_' Tail \_\_\_\_\_' Bean size \_\_\_\_\_" Cushion \_\_\_\_\_  
IHP \_\_\_\_\_ IFP \_\_\_\_\_ FFP \_\_\_\_\_ FHP \_\_\_\_\_  
Blow \_\_\_\_\_  
Open for test \_\_\_\_\_ Hr. \_\_\_\_\_ min. Fluid entry \_\_\_\_\_

BAILING TEST:

The hole fluid was bailed to \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_\_\_.  
The hole fluid was found at \_\_\_\_\_', at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_\_\_.

PRODUCTION TEST:

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_\_\_, at \_\_\_\_\_ pump depth \_\_\_\_\_' Engr. \_\_\_\_\_  
Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_\_\_, at \_\_\_\_\_ Engr. \_\_\_\_\_  
Fluid level \_\_\_\_\_' surveyed on \_\_\_\_\_ 19\_\_\_\_, reviewed (witnessed) by \_\_\_\_\_  
Total fluid produced, Bbls. \_\_\_\_\_ Net oil \_\_\_\_\_ Water \_\_\_\_\_  
Rate: \_\_\_\_\_ B/D oil, \_\_\_\_\_ B/D water, \_\_\_\_\_ % water cut

INJECTION SURVEY:

RA/Spinner/~~Temperature~~ survey run at 230 B/D & .900 psi on February 7, 1984  
fluid confined below 5001' (Packer depth 4506') top perf 5001'

Spinner in 4hr - remained fairly constant. Pkr & top perfs approved.

See other side

OGD8 (10/82/DWRR/5M)

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NOTE: well was temporarily  
SI to survey other well  
then turned back on waiting  $\frac{1}{2}$  hr to equalize rate.

Pick up @ 5347'

1) Spinner in Tbg

30' - 692  
1500' - 522  
3000' - 691  
4475' - 566

} rates fairly constant

2) Temperature survey

starting fr 4465 @ 120°

fluctuation in temp @ 4800' (possibly due to fluid migration fr surround wells,  
break towards ~~un~~ natural gradient @ 5000'

3) Reduced inj rate  $\approx 900$  psi meter

1150 @ 5250  
1485 @ 5200  
1100 @ 5150

945 @ 5100  
615 @ 5050  
@ 5000

230 @ 4975  
235 @ 4450  
tbg

④ Top perf check

slug out @ 4975' 300 sec - no tracer evident

log down - tracer located @ 5025' (below top perf)

log up - tracer located @ 5027'

$\therefore$  Top perf OK & approved

⑤ Rate checks @ 4775' & 4975' indicate similar rates  $\therefore$  in conclusion  
temp variation @ 4800' is probably due to fluid migration from hi'er  
volume wells nearby flowing down behind dsb & in @ perf zone.

⑥ PKR check

log down - slug below tbg tail

log up - slug below tbg tail

$\therefore$  PKR OK & approved

DIVISION OF OIL AND GAS  
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Getty Oil Company Well No. "Los Alamos" 26  
API No. 083-00398 Sec. 1, T. 8N, R. 33W, S.B. B.&M.  
County Santa Barbara Field Cat Canyon

<u>RECORDS RECEIVED</u>	<u>DATE</u>
Well Summary (Form OGI00)	<u>1-17-83</u> ✓
History (Form OGI03)	<u>1-17-83</u> ✓
Core Record (Form OGI01)	
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil	<u>Water Disposal</u> ✓
Idle - Oil	<u>Water Flood</u>
Abandoned - Oil	<u>Steam Flood</u>
Drilling - Idle	<u>Fire Flood</u>
Abandoned - Dry Hole	<u>Air Injection</u>
Producing - Gas	<u>Gas Injection</u>
Idle - Gas	<u>CO<sub>2</sub> Injection</u>
Abandoned - Gas	<u>LPG Injection</u>
Gas-Open to Oil Zone	<u>Observation</u>
Water Flood Source	
DATE	
RECOMPLETED	
REMARKS	

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓
2. Electric Log
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location ✓
7. Elevation ✓
8. Notices
9. "T" Reports
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production need injection data
14. E Well on Prod. Dir. Sur.

CLERICAL CHECK LIST

1. Location change (F-OGD165)
2. Elevation change (F-OGD165)
3. Form OGD121
4. Form OGI59 (Final Letter)
5. Form OGD150b (Release of Bond)
6. Duplicate logs to archives
7. Notice of Records due (F-OGD170)

*Held for*  
(Nov 83) ✓

*10-4-85 delete OG + oopool*

RECORDS NOT APPROVED

Reason: \_\_\_\_\_

RECORDS APPROVED ✓

*DC 1-17-82*

RELEASE BOND

Date Eligible \_\_\_\_\_

(Use date last needed records were received.)

MAP AND MAP BOOK

*12/10/83 310*

*28*

# Getty Oil Company

# RANGE OF WELL STATUS REPORT

SECTION 1	TOWNSHIP 8N	RANGE 33W	B & M SB	LOCATION Approx. 1300'S and 2250'W from NE corner of Section 1
DISTRICT Ventura		AREA Santa Maria	LEASE & WELL Los Alamos 26	FIELD Cat Canyon
COUNTY AND STATE Santa Barbara, California			OPERATOR Getty Oil Company	GOC FILE NO. GOC WORKING INT.

TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS	TYPE OF COMPLETION <input checked="" type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE	OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS
--	--	--

DATE OF CHANGE 12-4-82	REASON FOR STATUS CHANGE	METHOD OF COMPLETION
---------------------------	--------------------------	----------------------

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED)	<input type="checkbox"/> RESUMPTION OF PRODUCTION	<input type="checkbox"/> PUMP
<input type="checkbox"/> GAS COMPLETION	<input type="checkbox"/> CESSATION OF PRODUCTION	<input type="checkbox"/> GAS LIFT
<input type="checkbox"/> RE-COMPLETION	<input type="checkbox"/> IDLE	<input type="checkbox"/> FLOW
<input type="checkbox"/> INITIAL PRODUCTION	<input type="checkbox"/> PLUGGED & ABANDONED	<input checked="" type="checkbox"/> INJECTION WATER <input checked="" type="checkbox"/> GAS

WELL DATA			PRODUCTION TEST DATA								
PRODUCING ZONE	PERFS. (sl, gp, ip)	PRODUCTION INTERVAL FROM TO	BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
Miocene	sl										

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

REASON FOR PLUG & ABANDONMENT

Map No.	Map Letter	Block	Section	Township	Range

TOTAL DEPTH: 5800' PLUGGED DEPTH: 5365' GROUND ELEVATION: 990.50' POINT OF DEPTH MEASUREMENT 10'± FT. ABOVE GROUND

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTS	CASING PACKER DEPTHS (IF ANY)
11-3/4"	331'	Surface	47#	New	J-55		300		
7"	5800'	Surface	23#	New	J-55		300		

JUNK:  
REMARKS: Converted to Miocene Waste Water Injector

SUBMITTED BY: *R.O. Callaway* TITLE: R.O. Callaway, Agent DATE: January 5, 1983

DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROPERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RECOMPLETIONS ONLY).

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

ORIGINAL OF OIL AND GAS  
RECEIVED

12-1-82

12-1-82

**History of Oil or Gas Well**

Operator Getty Oil Company Field Cat Canyon County Santa Barbara  
Well Los Alamos 26 , Sec. 1 , T 8N , R 33W , SB B. & M.  
A.P.I. No. 083-00398 Name R.O. Callaway Title Agent  
Date January 5, 19 83 (Person submitting report) (President, Secretary or Agent)

Signature *R.O. Callaway*  
for R.O. Callaway, Agent

P.O. Box 811, Ventura, Calif. 93001 (Address) (805) 643-2154 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11-30-82	Workover hoist moved in and rigged up. Filled hole with 86 lb. mud. Removed well-head and installed BOPE.
12-1-82	Ran in hole with tubing and found top of fill at 4534'. Pulled out of hole. Ran casing scraper to 4534'. Pulled out of hole. Ran in hole with fullbore which stopped at 2328'. Unable to work through tight spot. Tested annulus from 2318' to surface at 500 psi - OK. Pulled out of hole. Attempted to run down cup testing tool but unable to get in hole.
12-2-82	Ran in hole with 5-3/4" swedge, unable to work through tight spot at 2328'. Pulled out of hole. Ran 6-1/8" bit but unable to work past 2328'. Pulled out of hole. Ran 6" tapered mill. Milled through tight spot at 2328' to 2329'. Ran mill to 4600'. Pulled out of hole. Ran bridge plug and RTTS tools but stopped at 2328'. Pulled out of hole. Ran impression block to 2328'. Pulled out of hole. I.B. showed one small slice on side of block. Shut down.
12-3-82	Ran in hole with 6" tapered mill and string mill. Milled from 2328' to 2333'. Continued in hole to 4500'. Pulled out of hole. Ran in hole with 6-1/8" bit to fill at 4655' and circulated out mud and silt from 4655' to 4957'. Hit solid fill. Circulated out shale from 4957' to 5365'. Circulated clean. Displaced mud with water from 5365' to 3500'. Displaced tubing with weighted pill to 3500'. Pulled out of hole.
12-4-82	Stood back 3500' 2-7/8" tubing. Ran in hole with packer to 4506'. Floated in hole - tested packer to 1000# against perms-OK. Unset packer. Tore out BOPE. Landed head. Reset packer and retested to 1000# - OK. Tore out rig.
12-5-82	Rigged down and moved out.

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Division of Oil and Gas  
Los Alamos 26  
Page -2-

DIVISION OF OIL AND GAS  
RECEIVED

DEPTH: 5800' PLUG: 5365' EFF. DEPTH: 5365'

CASING: 11-3/4" 47# C. 331'  
7" 23# Eff. to pg. @ 5365'  
C.P. 2633' and 5001'  
Pf: 5001'-5365' (180 M, 2"S, 16R, 6"C milled)  
Ineffective casing below plug  
435'-7" 23# C. 5800'  
Pf: 5365'-5800' (180M, 2"S, 16R, 6"C milled)

TUBING: 4489' 2-7/8" tbg (145 jts)  
2' Pup  
5' Husky M-1 Packer  
10' KB  
4506' Landed @

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**Report on Operations**  
(805) 925-2686

January 31, 1983

John L. Zurberti

RAT

WATER SHUTOFF TEST

No. T

383-43

Operator Getty Oil Co.Well designation "Los Alamos" 26 Sec. 1, T. 8N, R. 33W, SB B.&M.Field Cat Canyon, County Santa Barbara was <sup>reviewed</sup> tested for water shutoff on 1-19-83. (Name) by D. Clark, representative of the supervisor, was present from                      to                     . Also present were                     Casing record of well: 11 3/4" cem. 331'; 7" I.D. 5800', c.p. 2633' and 5001', perfs  
5001'-5365' T.D. 5800' E.D. 5365' Flashed w/cem. 5545-5365'The operations were performed for the purpose of demonstrating that all the injection fluid is entering the intended zone.

- ☐ The           " shutoff at           ' is approved.
- ☐ The seal between the           " and           " casings is approved.
- ☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 5001' at this time.

Hole size:           " fr.           ' to           ';           " to           '; &           " to           '

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested                       
The hole was open to                     ' for test.

## FORMATION TEST:

 Packer(s)           ' &           ' Tail           ' Bean size           " Cushion             
 IHP            IFP            FFP            FHP             
 Blow             
 Open for test            Hr.            min. Fluid entry           

## BAILING TEST:

 The hole fluid was bailed to           ', at            on            19  .  
 The hole fluid was found at           ', at            on            19  .  
 (time)

## PRODUCTION TEST:

 Gauge/meter reading            on            19  , at            pump depth           ' Engr.             
 Gauge/meter reading            on            19  , at            Engr.             
 Fluid level           ' surveyed on            19  , reviewed (witnessed) by             
 Total fluid produced, Bbls.            Net oil            Water             
 Rate:            B/D oil,            B/D water,            % water cut

## INJECTION SURVEY:

 RA/Spinner/Temperature survey run at 410 (Survey) 800' B/D & 995 psi on Jan. 19 1983,  
 fluid confined below 5001' (Packer depth 4506')
P.U. 5361' T. perf. 5001'Bott. Hole Temp 132.1°F (over)

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<u>Depth (i)</u>	<u>Dst. (i)</u>	<u>Time (sec.)</u>	<u>Rate (B/d)</u>
5360	3.5	44	270
5300	6	59	345
5200	4	58	350
5100	7	60	395
5025	6	1160	340

Top Perf ck.

slug out @ 4990', wait 240 sec.

lg. dn 4990-5050 } OK

lg. up(2) 5050-4950 }

✓

4700

6

68

300

Packer ck.

slug out @ 4475', wait 240 sec.

lg. dn 4475'-4550' } OK

lg. up 4550-4450 }

2 7/8" tubing ck

4450

25'

27'

465

Spinner indicated no holes in tubing, rate changed during the survey.

NOTE: This survey was reviewed in the logging truck while surveying another well.

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# REPORT ON PROPOSED OPERATIONS

(805) 925-2686

128

(field code)

21

(area code)

10

(new pool code)

00

(old pool code)

R. O. Callaway, Agent  
Getty Oil Company  
P. O. Box 811  
Ventura, CA 93001

WATER DISPOSAL PROJECT  
WEST AREA  
MONTEREY ZONE

Santa Maria, California  
September 20, 1982

Your \_\_\_\_\_ convert to  
proposal to water disposal well "Los Alamos" 26  
A.P.I. No. 083-00398, Section 1, T. 8N, R. 33W, S.B. B. & M.,  
Cat Canyon field, West area, Monterey pool,  
Santa Barbara County, dated 7-14-82, received 7-15-82 has been examined in conjunction with records  
filed in this office.

## DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The general requirements established in letter dated September 20, 1982 shall be made part of this report.
2. Copies of all surveys shall be filed with this division.
3. A step-rate pressure test shall be conducted prior to sustained injection above 1315 psi plus friction flow losses.
4. Injection shall be through tubing on packer set immediately above the zone of injection.
5. Nearby producing Monterey wells and those on Union Oil Company's "Bell" lease shall be monitored for increased water production and/or water cut. Injection shall cease if it causes an adverse increase in water production and/or water cut in wells near the "Bell-Los Alamos" lease line.
6. THIS DIVISION SHALL BE NOTIFIED TO WITNESS all injection-profile surveys referred to in Item 8 of above letter, the first within 3 months after injection has started.
7. THIS DIVISION SHALL BE NOTIFIED TO WITNESS the step rate test if one is determined necessary.

## NOTE:

1. An examination of the electric log indicates that the base of freshwater is at 985' at this location. The freshwater will be protected by 11 3/4" casing cemented from shoe to surface and 7" casing cemented through ports at 2633' and 5001'. Also, injection shall be through tubing on packer.
2. The water to be injected tests 9425 ppm TDS and is produced from neighboring oil wells.
3. Injection will be into Monterey zone. Strata in the injection interval contain oil and salt water.
4. Approximate surface location of well: From NE cor Sec. 1, 1300S 2250W.
5. Injected water might also have some waterflood effect.

AJK:dv

BLANKET BOND

cc: Department of Water Resources  
Water Quality Control Board

M. G. MEFFERD, State Oil and Gas Supervisor

By John J. Mefferd  
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

Getty

"Los Alamos" 26

July 82

11 3/4 C 331

2633

5001  
5001

5365

7" 14 5800

5800' ±

1. Need letter to Union  
notifying of proposal

2. Need graphs of oil  
vs. water injection plots

20

## DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED

NOV 15 1975

REWORK ~~SUPPLEMENTARY~~ NOTICE

Santa Maria, California

DIVISION OF OIL AND GAS

Santa Maria Calif.

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL FILE
	OGD114	OGD121	
<u>Blanket</u>		<u>7-15-82</u> <u>SV</u>	

A notice to you dated November 5, 1975, stating the intention toCancel proposal to convert to water disposal Los Alamos 26, API No. 083-00398,  
(Drill, rework, abandon) (Well name and number)Sec. 1, T. 8N, R. 33W, SB B. & M., Cat Canyon Field,Santa Barbara County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth 5800' Plugged depth: 5365'

Complete casing record including plugs and perforations

11-3/4" 47# C. 331'7" 23# Eff. to pg. @ 5365'C.P. 2633' and 5001'Pf: 5001'-5365 (180M, 2"S, 16R, 6"C milled)Ineffective casing below pg.435'-7" 23# ~~td~~, 5800'Pf: 5365'-5800' (18M, 2"S, 16R, 6"C milled)

We now propose to convert to Miocene waste water injector.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811  
(Street)Ventura, CA 93001  
(City) (State) (Zip)Telephone Number (805) 643-2154GETTY OIL COMPANY

(Name of Operator)

Type of Organization CORPORATION  
(Corporation, Partnership, Individual, etc.)By R.O. Callaway, Agent 7-14-82  
(Name) (Date)Signature MC Newhann for R.O. Callaway

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RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

(805) 925-2686

REPORT ON PROPOSED OPERATIONS No. P 375-531

WATER-DISPOSAL PROJECT

WEST AREA

S2-S7 SANDS

Mr. G. C. Padgett, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria, Calif.

November 7, 1975

DEAR SIR: notice to cancel

Your supplementary proposal to convert to water disposal Well No. "Los Alamos" 26 (083-00398) Section 1, T. 8N, R. 33W, S.B. B. & M., Cat Canyon Field, Santa Barbara County, dated 11-5-75, received 11-6-75, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED.

NOTE: Injection into this well was originally approved in report No. P374-252, dated June 6, 1974.

Blanket Bond

JLZ:mjn

cc: Department of Water Resources  
Regional Water Quality Control Board

Harold W. Bertholf

~~JOHN M. MATHIAS~~, State Oil and Gas Supervisor

By *Steve. Grech*, Deputy

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RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**DIVISION OF OIL AND GAS  
RECEIVED**

**NOV 6 1975**

**Santa Maria, California**

**Supplementary Notice**

Ventura Calif. November 5, 1975

DIVISION OF OIL AND GAS

Santa Maria, Calif.

A notice to you dated May 30, 1974, stating the intention to

convert to waste water injector well No. Los Alamos #26

(Drill, deepen, redrill, abandon)

Sec. 1, T. 8N, R. 33W, S.B. B & M Cat Canyon Field,

Santa Barbara

County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth 5800'; Pg. 5365'

Complete casing record including plugs.

11-3/4", 47# c 331'

7", 23# eff. to pg. @ 5365'

C.P. 2633' and 5001'

Pf. 5001'-5365' (180M, 2"S, 16R, 6"C milled)

Ineffective casing below plug

435' - 7", 23# c 5800'

Pf. 5365'-5800' (180M, 2"S, 16R, 6"C milled)

We now propose to cancel the abovementioned proposal dated May 30, 1974. The well is a gas producer.

Map No.	Map Letter	Bond No.	Forms		
			115	114	125
		<i>Blanket</i>			<i>11-6-75 mjs</i>

P.O. Box 811  
Ventura, California 93001

(Address)

(805) 643-2154

(Telephone No.)

Getty Oil Company

(Name of Operator)

By

*George C. Padgett*  
George C. Padgett

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED



RECORDS RECEIVED

Date Received 12-16-74  
Well Summary (Form 100) X  
History (Form 103) X  
Core Record (Form 101) \_\_\_\_\_  
Elec. Log - Lge. Small  
Direct. Survey \_\_\_\_\_  
Sidewall Samples \_\_\_\_\_  
Other \_\_\_\_\_

Notice of Records Due  
Form 170 \_\_\_\_\_

Date Final Records Received \_\_\_\_\_

ENGINEER'S CHECK LIST

1. Summary, History, &  
Core record (dupl.) ✓
2. Electric Log \_\_\_\_\_
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location ✓
7. Elevation \_\_\_\_\_
8. Notices ✓
9. "T" Reports ✓
10. Casing Record ✓
11. Plugs ✓
12. Surface Inspection \_\_\_\_\_
13. Production \_\_\_\_\_

RECORDS NOT APPROVED

Reason: \_\_\_\_\_

RECORDS APPROVED ✓ RTRELEASE BOND

Date Eligible \_\_\_\_\_  
(Use date last needed records were  
received.)

MAP & MAP BOOK N.C.

STATUSDATE

Producing - Oil ✓  
Idle - Oil \_\_\_\_\_  
Abandoned - Oil \_\_\_\_\_  
Drilling - Idle \_\_\_\_\_  
Abandoned - Dry Hole \_\_\_\_\_  
Producing - Gas \_\_\_\_\_  
Idle - Gas \_\_\_\_\_  
Abandoned - Gas \_\_\_\_\_  
Gas - Open to Oil Zone \_\_\_\_\_  
Water Flood Source \_\_\_\_\_  
Water Disposal \_\_\_\_\_  
Water Flood \_\_\_\_\_  
Steam Flood \_\_\_\_\_  
Fire Flood \_\_\_\_\_  
Air Injection \_\_\_\_\_  
Gas Injection \_\_\_\_\_  
CO<sub>2</sub> Injection \_\_\_\_\_  
LPG Injection \_\_\_\_\_  
Observation \_\_\_\_\_

RECOMPLETED ✓

CLERICAL CHECK LIST

1. Location change (F-165) \_\_\_\_\_
2. Elevation change (F-165) \_\_\_\_\_
3. Form 121 \_\_\_\_\_
4. Form 159 (Final Letter) \_\_\_\_\_
5. Form 150b (Release of Bond) \_\_\_\_\_

Getty Oil Company  
"Los Alamos" 26  
(083-00398)

*B. Bennett / P. Thompson 12-28*  
*Operator will leave well shut-in.*  
*Will resume a later date.*

16

Company

## CHANGE OF WELL STATUS REPORT

TOWNSHIP 1	RANGE 8 N.	SECTION 33 W.	STATE S.B.	LOCATION 3892.83' S. and 2231.48' W. from A-4.
Coastal		AREA Santa Maria	LEASE & WELL " Los Alamos #26	FIELD Cat Canyon
COUNTY AND STATE Santa Barbara, Calif.		OPERATOR Getty Oil Company	GOC FILE NO.	GOC WORKING INT. 100%
TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS		TYPE OF COMPLETION <input checked="" type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE		
DATE OF CHANGE 7-8-74		OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS		
REASON FOR STATUS CHANGE				METHOD OF COMPLETION

☐ OIL COMPLETION  
(FIRST FORMATION OIL PRODUCED)

☐ GAS COMPLETION

☐ RE-COMPLETION

☐ INITIAL PRODUCTION

☐ RESUMPTION OF PRODUCTION

☐ CESSATION OF PRODUCTION

☐ IDLE

☐ PLUGGED & ABANDONED
DIVISION OF OIL AND GAS  
RECEIVED

DEC 16 1974

Santa Maria, California

☐ PUMP

☐ GAS LIFT

☐ FLOW

☐ INJECTION

WATER \_\_\_\_\_ GAS \_\_\_\_\_

## WELL DATA

## PRODUCTION TEST DATA

PRODUCING ZONE	PERFS. (sl, sp, ip)	PRODUCTION INTERVAL FROM TO	BOFPD	GAS MCFPD	CHOKED 764"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
Miocene	sl	5001' 5365'									

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS  
TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

REASON FOR PLUG &amp; ABANDONMENT

Map No.	Map Letter	Bond No.	Forms
			115 114 121
			12-16-74 mjm

TOTAL DEPTH: 5800' PLUGGED DEPTH: 5365' GROUND ELEVATION: 990.50' POINT OF DEPTH MEASUREMENT: 10' ± FT. ABOVE GROUND

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTHS	CASING PACKER DEPTHS (IF ANY)
11-3/4"	331'	Surface	47#	New	J-55		300		
7"	5800'	"	23#	"	J-55		300		

JUNK:

REMARKS: Attempted to recomplete as S2-5 waste water disposal. Plugged back and well flowed back.

SUBMITTED BY: *George C. Padgett* TITLE: George C. Padgett, Agent DATE: December 10, 1974

DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROP.  
ERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RE-  
COMPLETIONS ONLY).

15

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

20798-705 1-74 BM (2) OSP

DIVISION RECEIVED 1974

DEC 16 1974

Santa Maria, California

**History of Oil or Gas Well**

OPERATOR Getty Oil Company FIELD Cat Canyon  
Well No. " Los Alamos #26, Sec. 1, T. 8 N., R. 33 W., S. B. B. & M.  
Date December 10, 19 74 Signed George C. Padgett  
P.O. Box 811, Ventura, Ca. (805) 643-2154 Title Agent  
(Address) (Telephone Number) (President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

**Date**

7-5-74 Allied Oilwell Service moved in and rigged up. Pumped 315/sks. of 100# mud down casing.

7-6-74 Unlanded tubing and installed B.O.P. Worked tubing free and pulled out. Found 1-joint sand cut at 2644'. Hydrotested 16 stands tubing going in hole, and tools blew out. Killed well with mud. Ran tubing to 5545' and equalized 145 cu. ft. Class "G" cement premixed with 2% CaCl<sub>2</sub>. Pulled out 30 stands and shut well in.

7-7-74 Bled down tubing and casing. Flowed back heavy crude. Pumped in 60 barrels of mud, and casing flowed back. Pumped 70 barrels of 86# mud down casing and had 100 barrels of salt water and crude returns. With casing closed, squeezed away 35 barrels of 102# mud at 600#. Opened casing and circulated. Had 15 barrels of mud returns. Shut well in.

7-8-74 Ran in with tubing and found T.O.C. at 5365'. Pulled out. Removed B.O.P. Ran and landed tubing at 2395'. Installed head and changed over to lease salt water. Shut well in and moved rig out.

Casing: 11-3/4" 47# c 331'  
7" 23# eff. to pg. @ 5365'  
C.P. 2633' and 5001'  
Pf: 5001-5365' (180 M, 2" S, 16 R, 6" C milled)  
Ineffective csg. below pg.  
435' - 7" 23# c 5800'  
Pf: 5365-5800' (18 M, 2" S, 16 R, 6" C milled)

Tubing: 2385' - 2-7/8" 8 RT EU Tbg. (76 jts.)  
10'±- K.B.  
2395' - Landed @

Map No.	Map Letter	Bond No.	Forms		121
			115	114	
					12-16-74 7/1

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RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**REPORT ON PROPOSED OPERATIONS** No. P 374-252

**WATER-DISPOSAL PROJECT**

**WEST AREA**

**S<sub>2</sub> - S<sub>7</sub> ZONE**

Mr. G. C. Padgett, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93301

Santa Maria, Calif.

June 6, 1974

DEAR SIR:

plug

and convert to water disposal

Your supplementary proposal to and alter casing in Well No. "Los Alamos" 26 (083-00398)  
Section 1, T. 8N, R. 33W, S.B. B. & M., Cat Canyon Field, Santa Barbara County,  
dated 5-30-74, received 6-3-74, has been examined in conjunction with records filed in this office.

**DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:**

1. The general requirements established for the S<sub>2</sub>-S<sub>5</sub> sands in letter dated December 22, 1971 shall be made part of this report.
2. Copies of all surveys shall be filed with this Division.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS all injection-profile surveys referred to in Item 4 of above letter, the first within 30 days after injection has started.

**NOTES:**

1. An examination of the electric log indicates that the base of freshwater is at 900' at this location. The freshwater will be protected by 7" casing cemented through ports at 2633' at the base of the Sisquoc shale overlying the zone of injection.
2. The water to be injected tests 5900ppm NaCl and is produced from neighboring oil wells.
3. Injection will be into S<sub>2</sub>-S<sub>5</sub> zone. Strata in the injection interval contain oil and saltwater.
4. Approximate surface location of well: From NW corner of Section, 1200'S., 3050'E.

Blanket Bond  
JLZ:mjn

cc; Department of Water Resources  
Regional Water Quality Control Board

JOHN F. MATTHEWS, Jr., State Oil and Gas Supervisor

By [Signature], Deputy

13

JUN 3 1974

Santa Maria, California

# DIVISION OF OIL AND GAS

## Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
Blanket		6-3-74 mfr

### DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos #26, API No. 083-00398,

Sec. 1, T. 8 N., R. 33 W. S.B. B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

- Total depth. 5800'
- Complete casing record, including plugs and perforations:

11-3/4" 47# c 331'

7" 23# c 5800'

C.P. 2633' and 5001'

Pf: 5001-5800' (180 M x 2" S, 16 R, 6" C) milled slots

*Supplement*

- Present producing zone name Miocene Zone in which well is to be recompleted S2-5
- Present zone pressure \_\_\_\_\_ New zone pressure \_\_\_\_\_
- Last produced 2-70 1 29 -  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)  
or
- Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows: ABANDON MIOCENE ZONE AND SEGREGATE S2-5 FROM S6-9 ZONE, CONVERT S2-5 TO WASTE WATER DISPOSAL

- Plug Miocene Zone with Class "G" cement. Calculate top of plug to 4850'. D.O.G. to witness and approve.
  - With tubing at 3600', equalize 133 cu. ft. Pull to 3040' and backscuttle excess cement.
  - Shoot 4 (1/2") holes at 3030'. Squeeze with Class "G" cement as indicated by breakdown. Cement inside to be no higher than 2990'. Note: There is no cement behind casing from 4010' to 2633'. (Continued on page #2)
- It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 811  
(Street)  
Ventura Calif. 93001  
(City) (State) (Zip)  
Telephone Number (805) 643-2154

GETTY OIL COMPANY  
(Name of Operator)  
By George C. Padgett 5-30-74  
(Name) (Date)  
Type of Organization Corporation  
(Corporation, Partnership, Individual, etc.)

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D.O.G. Form 107 (NOTICE OF INTENTION TO REWORK WELL)  
Los Alamos #26, Cat Canyon Field, Santa Barbara County

Pg. #2

4. Jet perforate 2 h/ft. S2-5 Zone. Set packer on 2-7/8" tubing at 2500'. To survey within 30 days after starting injection. D.O.G. to witness.

(11)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 374-193

Mr. G. C. Padgett, Agent  
Getty Oil Company  
P. O. Box 811  
Ventura, CA 93301

Santa Maria, Calif.  
May 1, 1974

DEAR SIR:

Your \_\_\_\_\_ proposal to plug and alter casing in \_\_\_\_\_ (083-00398)  
Well No. "Los Alamos" 26  
Section 1, T. 8N, R. 33W, S.B.B. & M., Cat Canyon Field, Santa Barbara County,  
dated 4-29-74, received 4-30-74, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT rotary mud of the proper weight  
and consistency to prevent movement of other fluids into the well bore  
shall be used to replace any oil or water in the interval between  
4850' and 3600'.

Blanket Bond  
JLZ:mjn

JOHN F. MATTHEWS, Jr., State Oil and Gas Supervisor

By John F. Matthews, Jr., Deputy

# DIVISION OF OIL AND GAS

## Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

DIVISION OF OIL AND GAS  
RECEIVED

APR 30 1974

Santa Maria, California

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
Blanket		4-30-74 mgf

### DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos #26, API No. \_\_\_\_\_,

Sec. 1, T. 8 N, R. 33 W S.B.B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth. 5800'
2. Complete casing record, including plugs and perforations:

11-3/4" 47# c 331'  
7" 23# c 5800'  
C.P. 2633' and 5001'  
Pf: 5001-5800' (180 M x 2" S, 16 R, 6" C) (milled slots)

Map No.	Map Letter	Bond No.	Forms		
			115	114	121

3. Present producing zone name Miocene Zone in which well is to be recompleted \_\_\_\_\_

4. Present zone pressure \_\_\_\_\_ New zone pressure \_\_\_\_\_

5. Last produced 2-70 1 29 -  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

6. Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows: ABANDON MIOCENE ZONE AND SEGREGATE S2-5 FROM S6-9 ZONE.

1. Plug Miocene Zone with Class "G" cement. Calculate top of plug to 4850'. D.O.G. to witness and approve.
2. With tubing at 3600', equalize 133 cu. ft. Pull to 3040' and backscuttle excess cement.
3. Shoot 4 (1/2") holes at 3030'. Squeeze with Class "G" cement as indicated by breakdown. Cement inside to be no higher than 2970'. Note: There is no cement behind casing from 4010' to 2633'.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811 (133 W. Santa Clara St.) Getty Oil Company  
(Street) (Name of Operator)  
Ventura California 93001  
(City) (State) (Zip)  
By George C. Padgett 4-29-74  
(Name) (Date)  
Type of Organization Corp.  
(Corporation, Partnership, Individual, etc.)



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
RECEIVED  
SEP 15 1944  
SANTA MARIA, CALIFORNIA

## LOG OF OIL OR GAS WELL

Operator Pacific Western Oil Corporation Field Cat Canyon  
Well No. "Los Alamos" #26 Sec. 1, T. 8 N., R. 33 W., S.B.B. & M.  
Location 6270' Sly. along West Property line from NW Corner of Ranch and 2310' Ely. at right Angles. Elevation 1000' D.F.  
990.49  
In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date

W. N. Craddock

(Engineer or Geologist)

(Superintendent)

Title Chief Engineer

(President, Secretary or Agent)

Commenced drilling 5-29-44 Completed drilling 7-16-44 Drilling tools RotaryTotal depth 5800' Plugged depth \_\_\_\_\_ GEOLOGICAL MARKERS \_\_\_\_\_ DEPTH \_\_\_\_\_

Junk \_\_\_\_\_

Commenced producing 7-20-44 Flowing / gas / pumping  
(date) (cross out unnecessary words)

Initial production

Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
105	15.6°	44%			
128	15.6°	40%			

## CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforations
11-3/4	331		47#	New	Smls.	J-55		300	
7	5800		23#	New	Smls.	J-55		300	5001
& Cemented through sleeve at 2633' with 200 sacks cement									

## PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7	5001 ft.	5800 ft.	180 M x 2"	16	6"	Milled Slots
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Log	Notes	Crown	Grade	From
9-16-44		150'		321
				9-15-44

Electrical Log Depths

5551'

(Attach Copy of Log)

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
RECEIVED  
SEP 15 1944

LOG AND CORE RECORD OF OIL OR GAS WELL

SANTA MARIA, CALIFORNIA

Operator Pacific Western Oil Corporation Field Cat Canyon

Well No. "Los Alamos" #26 Sec. 1, T. 8 N., R. 33 W., S. B.B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0	331				Shale and clay
331	3966				Shale
3966	4381				Hard shale
4381	5038				Brown shale
5038	5800				Cherty shale

(7)

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
RECEIVED

SEP 15 1944

SANTA MARIA, CALIFORNIA

History of Oil or Gas Well

OPERATOR Pacific Western Oil Corp. FIELD Cat Canyon

Well No. "Los Alamos" #26 , Sec. 1 , T. 8 N. , R. 33 W. , S. E.B. & M.

Signed [Signature]

Date August 17, 1944

Title Chief Engineer

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date

- 5-29 Spudded 15 $\frac{1}{2}$ " rotary hole.  
Drilled 15 $\frac{1}{2}$ " hole to 331'. Cemented 11-3/4" casing at 331' with 300 sacks cement.
- 5-31 Drilled out with 10-5/8" bit. Drilling ahead.
- 7-2 Ran Lane Wells Electric Log to 5551'.
- 7-7 Drilled 10-5/8" hole to 5800'.
- 7-8 Landed 7" Casing at 5800', including perforated interval from 5001' to 5800'. C. P. at 5001' with 300 sacks cement.  
also cemented through sleeve at 2633' with 200 sacks cement.
- 7-10 Drilled out cement to 2654'. Made pressure test at 2633'.  
Sleeve took fluid at 600# pressure.  
Squeezed away 70 sacks cement at 2633'.
- 7-11 Found top of cement at 2617'. Cleaned out to 2662'.  
Sleeve held 800# pressure during 30 minute test.
- 7-12 Found top of cement at 4955'. Drilled out to 4995'.  
Shot 4 - 1/2" holes at 4990'. Ran Johnston Tester with packer set at 4975'. Water Shut Off approved by Division of Oil and Gas.  
Drilled out baffle plate. Cleaned out to bottom.
- 7-13 Ran 2 $\frac{1}{2}$ " tubing to 4976'. Commenced swabbing.
- 7-14 Swabbed.
- 7-15 Well would not flow. Lowered tubing to 5219'.
- 7-16 Ran rods.
- 7-17 Installed pumping unit. Started pumping 2 p.m., 7-17-44.
- 7-20 Pumping to sump. Cut 55%. Estimated rate, 250 B/D gross.
- 7-23 Turned well into tanks 7-23-44.
- 7-24 Pumped 185 bbls. gross, 43% out.
- 7-26 Pumped 185 bbls. gross, cut 44%, 15.6° gravity.

Map	Model	Cross Section	Combs	Flow
#2				1279 321
Majors		150 B		9-15-44 9-15-44
9-16-44				

Producing

## DIVISION OF OIL AND GAS

Report on Test of Water Shut-off  
(FORMATION TESTER)

No. T 3-2273

Mr. J. H. Spohn,  
Goleta, Calif.  
Agent for Pacific Western Oil Corporation  
Santa Maria, Calif. July 12, 19 44

DEAR SIR:

Your well No. "Los Alamos" 26, Sec. 1, T. 8 N., R. 33 W., S. E. B. & M.  
Cat Canyon Field, in Santa Barbara County, was tested for water shut-off  
on July 12, 19 44. Mr. S. G. Dolman, designated by the supervisor,  
was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present T. T. Nudson,  
Superintendent, and T. P. Ramirez, driller  
through perforations

Shut-off data: 7 in. 23 lb. casing was cemented/at 5005 ft. on July 8, 19 44  
in 10 5/8" hole with 300 sacks of cement of which 7 sacks was left in casing.  
Casing record of well: 11 3/4" cem. 331'; 7" landed 5800' with 799' of perf. on  
bottom, c.p. at 2633' and 5005' as above

Reported total depth 5800 ft. Bridged with cement from 5000 ft. to 5005 ft. Cleaned out to 5000 ft. for this test.  
A pressure of 800 lb. was applied to the inside of casing for 30 min. without loss after cleaning out to 5000 ft.  
A Johnston tester was run into the hole on 2 1/2 in. drill pipe, with - ft. of water cushion,  
and packer set at 4975 ft. with tailpiece to 4989 ft. Tester valve, with 1/2" bean, was opened at 8:51 a.m.  
and remained open for - hr. and 45 min. During this interval there was a light steady  
blow for 4 minutes and a light heading blow for 12 minutes.

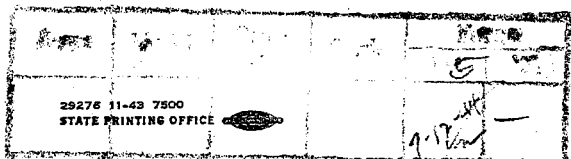
## MR. NUDSON REPORTED THE FOLLOWING:

1. The 7" casing was cemented through perforations at 2633' above the Sisquoc zone with 200 sacks of cement, and re-cemented with 70 sacks before a satisfactory test of shut-off was obtained. *This should be enough to ensure no flow*
2. The 7" casing was gun perforated at 4995' with 4 one-half-inch holes at right angles for a test of shut-off. *pressure test only*
3. The space between the 2 1/2" drill pipe and the 7" casing was filled with mud fluid and remained in that condition during the test, demonstrating that the packer prevented any migration of fluid between drill pipe and casing.

## THE DEPUTY SUPERVISOR NOTED THE FOLLOWING:

1. When the drill pipe was pulled out, approximately 330' of fluid was found in the drill pipe, equivalent to 1.9 bbl.
2. The fluid consisted of gas-cut oily mud and oil.
3. The pressure chart indicated that the valve was open during the entire test.
4. The bottom hole temperature was 166 degrees.

7" at 4995'  
THE SHUT-OFF IS APPROVED.



R. D. RUSH, State Oil and Gas Supervisor

By

  
Deputy

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COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

Special Report on Oil Operations Witnessed  
SURFACE CEMENTING

No. 468

Santa Maria Calif., June 1, 19 44

Mr. J. H. Spahn

Goleta, California

Agent for Pacific Western Oil Corporation.

DIVISION OF OIL & GAS  
RECEIVED  
JUN - 3 1944

SANTA MARIA, CALIFORNIA

Dear Sir:

Operations at your well No. Los Alamos #26 Sec. 1, T. 8 N., R. 33 W., S.B. B. & M.

Cat Canyon Field, in Santa Barbara County, were witnessed by

F. H. Johnson, representative of the County,

on May 30, 19 44. There was also present Thos. Hudson, Drilling Superintendent

for Pacific Western Oil Corporation.

Casing Record Set and cemented 331' of 11-3/4" O.D. 47 lb. new Screw Joint  
Casing.

The operations were performed for the purpose of Setting and cementing surface casing.

and the data and conclusions are as follows:

1. 3:00 P.M. to 4:30 P.M. ran casing. Entered freely.
2. 5:00 P.M. to 10:30 P.M. mud fluid was circulated. Long period of circulation on account of delay of arrival of cement at location.
3. 10:42 P.M. to 10:53 P.M. 300 sacks of construction cement were pumped into casing by Halliburton Cementing Company. Theoretical requirements 154 sacks. Average weight of cement slurry approximately 115 lbs. per cu. ft. Bottom plug only was used.
4. 10:58 P.M. to 11:05 P.M. cement was displaced with 219 cu. ft. of mud fluid. Cement return was made at a displacement of 150 cu. ft. indicating that approximately 60 sacks of cement wasted into sump.

Oral approval of cementing procedure is hereby confirmed.

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary,

By F. H. Johnson Inspector.

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COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

Special Report on Oil Operations Witnessed  
MUD TEST

No. 468

Santa Maria, Calif., June 1, 1944

Mr. J. H. Spahn

DIVISION OF OIL & GAS

RECEIVED

JUN - 3 1944

Goleta, California

Agent for Pacific Western Oil Corporation.

SANTA MARIA, CALIFORNIA

Dear Sir:

Operations at your well No. Los Alamos #26 Sec. 1, T. 8 N., R. 33 W., S.B. B. & M.

Cat Canyon Field, in Santa Barbara County, were witnessed by

F. H. Johnson, representative of the County,

on May 29, 1944. There was also present Thos. Hudson, Drilling Superintendent

for Pacific Western Oil Corporation.

Casing Record None set prior to mud test.

The operations were performed for the purpose of demonstrating that the formation was

satisfactorily mudded from 0' to 331'.

and the data and conclusions are as follows:

Mr. Hudson reported a 15½" rotary hole drilled 331' below the derrick floor.

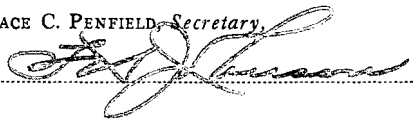
The Inspector noted:

1. Weight of mud fluid was 85 lbs. per cu. ft.
2. Mud loss was shown to be 1 bbl. per hour on a 30 minute test ending at 12:30 P.M.

Oral approval to set and cement 331' of 11-3/4" O.D. 47 lb. casing is hereby confirmed.

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary

By  Inspector.

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STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 3-5435

Santa Maria, Calif. May 24, 19 44

Mr. J. H. Spohn,

Coleta, Calif.

Agent for Pacific Western Oil Corporation

DEAR SIR:

Your proposal to drill Well No. "Los Alamos" 26, Section 1, T. 8 N., R. 33 W., S. B. B. & M., Cat Canyon Field, Santa Barbara County, dated May 22, 19 44, received May 24, 19 44, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The elevation of the derrick floor above sea level is 1000 feet.  
The well is 6270 feet Southerly along W. Prop. line from the N.W. Cor. Ranch and 2310 feet Easterly at right angles  
Lease consists of Approx. 4000 acres  
We estimate that the first productive oil or gas sand should be encountered at a depth of about 5100 feet.  
Well is to be drilled with rotary tools."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Csg., In.	Weight, lb. Per Foot	Grade and Type	Depth	Landed or Cemented
11-3/4	47#	J-55	350	Cemented
7	23#	J-55	5750	C. P. 5100
				Perf. 5100-5750

Sleeve cemented above upper prod. zone.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
3. The formations to be left back of the 11 3/4" and 7" casings shall be mudded in a satisfactory manner.
4. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:  
A test of the 7" shut-off.

Bond No. 4693866.

CC - Mr. W. N. Craddock  
- Mr. W. C. Penfield  
- Mr. F. H. Johnson

R. D. BUSH

State Oil Supervisor

By

Deputy

5-27-44	4693866	5-24-44	5-24-44
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STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
RECEIVED  
MAY 24 1944  
SANTA MARIA, CALIFORNIA

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

083-00398

Los Angeles, Calif. May 22, 1944

DIVISION OF OIL AND GAS

Santa Maria Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. "Los Alamos" #26, Sec. 1, T. 8 N, R. 33 W, S. B. B. & M., CAT CANYON Field, SANTA BARBARA County.

Lease consists of Approx. 4000 acres  
The well is 6270 feet Southerly along W. Prop. line from the N.W. Cor. Ranch ~~1/4~~ <sup>1/2</sup> and 2310 feet E. of ~~1/4~~ <sup>1/2</sup> from Easterly at right angles  
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 1000 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 5100 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
11-3/4	47#	J-55	350	Cemented
7	23#	J-55	5750	C. P. 5100
				Perf. 5100--5750
				Sleeve cemented above upper prod. zone.

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

1060 Subway Termingl Bldg.  
Address Los Angeles 13, California

PACIFIC WESTERN OIL CORPORATION

(Name of Operator)

Telephone number MU-3271

By W. N. Craddock - Chief Engineer

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

DATE	FILED	CHECKED	INDEXED
5-27-44	4693866	5-27-44	5-27-44

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